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Did you mean: **DNA** dendrimer (support or array)

### A novel, sensitive detection system for high-density microarrays using dendrimer technology

RL Stears, RC Getts, SR ... - Physiological genomics, 2000 - Am Physiological Soc

... Each **array** was scanned 1, 5, 10, and 20 times. ... Furthermore, as each **dendrimer** has predetermined, quantified fluorescent intensity (see Table 1) and as each **cDNA** transcript binds a single **dendrimer**, the amount of signal generated is directly proportional to the number ...

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### Dendrimeric coating of glass slides for sensitive DNA microarrays analysis

V Le Berre, E Trevisiol, A ... - Nucleic Acids ..., 2003 - Oxford Univ Press

... Thus, we investigated the re-usability of the **DNA arrays** generated from **dendrimer**-activated **support**. The first approach that has been reported in several previous papers (12,13,20,22) was to spot a few sets of PCR or oligonucleotide probes. ...

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### Polypropylenimine dendrimer-induced gene expression changes: the effect of complexation with DNA, dendrimer generation and cell type

Y Omid, AJ Hollins, RM Drayton, S ... - Journal of drug ..., 2005 - Informaworld.com

... was markedly different in the two cell lines (Table I). Although the majority of the unaffected genes (80% of **array** spots) in both ... Figure 4. Scatter plots of gene expression changes in human epithelial cells A431 and A549 upon treatment with **dendrimers** with or without **DNA**. ...

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### Oligonucleotide dendrimers: synthesis and use as polylabelled DNA probes

MS Shchepinov, IA Udalova, AJ Bridgman, ... - Nucleic acids ..., 1997 - Oxford Univ Press

... Oligonucleotide **dendrimers** as high sensitivity **DNA** probes ... eight times that of the conventional oligonucleotide, against 2-fold for the **dendrimer** 9 with ... properties of 10 to solid **support**-bound oligonucleotides synthesised on an aminated polypropylene **support** as previously ...

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### Oligonucleotide dendrimers: stable nano-structures

MS Shchepinov, KU Mir, JK Elder, MD Frank ... - Nucleic acids ..., 1999 - Oxford Univ Press

... ON' reaction; that is why the melting temperature  $T_m$  does not depend on the **dendrimer** concentration ... of separate branches, which is most significant for applications where the complements are solid **support**-bound, for example, in oligonucleotide **array/DNA** chip technology ...

Cited by 53 - Related articles - BL Direct - All 9 versions

### [PDF] Molecular interactions on microarrays

E Southern, K Mir, M Shchepinov... - nature genetics, 1999 - dim.uchile.cl

... U. & Southern, EM A study of oligonucleotide reassociation using large **arrays** of oligonucleotides synthesized on a glass **support**. ... 33. Shchepinov, MS, Udalova, IA, Bridgman, AJ & Southern, EM Oligonucleotide **dendrimers**: synthesis and use as polylabelled **DNA** probes. ...

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### DNA microarray experiments: biological and technological aspects